AMENDMENTS TO THE CLAIMS:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Please cancel claims 1-9.

10. (New) Optical device comprising reflecting means arranged on the optical path of an incident beam emitted by a first optical source so as to form a reflected light beam, and a second optical source producing a second light beam of different wavelength so that the reflected beam and the second light beam pass through a zone of the space wherein an object to be analyzed is to be exposed, and reach a common sensor, optical device wherein the reflecting means are arranged proximate and outside to the optical path of the second beam and wherein the optical device comprises a collimating lens common to the first and second sources and arranged at the intersection of the first incident beam and of the second beam.

11. (New) Optical device according to claim 10, wherein the optical device comprises means for deforming the reflecting means.

12. (New) Optical device according to claim 10, wherein the optical device comprises means for orienting the reflecting means.

13. (New) Optical device according to claim 10, wherein the reflecting means are formed by a mirror.

14. (New) Optical device according to claim 13, wherein an element absorbing a part of a light radiation is arranged on a reflecting surface of the mirror.

15. (New) Optical device according to claim 10, wherein the reflecting means are formed by a semi-reflecting plate.

16. (New) Optical device according to claim 15, wherein the semi-reflecting plate is arranged on an element absorbing a part of a light radiation.

17. (New) Optical device according to claim 10, wherein the collimating lens is spherical.

18. (New) Optical device according to claim 10, wherein a lens is arranged between the zone of the space wherein the object to be analyzed is to be exposed and the sensor.